WOYR2.E91274
Switches, Appliance and Special Use - Component

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Switches, Appliance and Special Use - Component

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ZIPPY TECHNOLOGY CORP   E91274

10f 50 Minquan Rd
Xindian District
New Taipei, 231 TAIWAN

Investigated to ANSI/UL 61058-1

Cat. No.	Load	Amps	Volts	Hz	Temp (°C)	Pol/ Thr/ Cir	Endurance 30C cycle	Endurance 55C cycle	IP	Dis (mm)	SPCA	Std. Ed.
Appliance Switches												
DF3 and DFW Series												
	GP	0.1,3,5	125-277	50/60	T85	1/2-2.2	6K	10K	66	micro	-	-
	R	0.1,3,5	5,12,24	DC	T85	1/2-2.2	6K	10K	66			
	R	2	30	DC	T55	1/2-2.2	6K	10K	66			
	R	1	50	DC	T55	1/2-2.2	6K	10K	66			
	R	0.25	250	DC	T55	1/2-2.2	6K	10K	66			
	R	3	125	50/60	T55	1/2-2.2	6K	50K	66			
	R	3	250	50/60	T55	1/2-2.2	6K	30K	66			
	R	7	125-250	50/60	T55	1/2-2.2	6K	10K	66			
VA1 -05 or -G5, f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	5	125-250	60	T85	1/2-1.2	6K	50K	40	-	-	-
Micro												
CN f/b L or R f/b-P1, -01 or -05 f/b H, L, or S f/b 01-99 f/b Letters or Numbers.												
	GP	0.1	125-250	60	65	1/2-2.2	6K	-	--	micro	13D	-
	R	0.1	125-250	60	65	1/2-2.2	6K	-	--			
	GP	1	125-250	60	65	1/2-2.2	6K	-	--			
	R	1	125-250	60	65	1/2-2.2	6K	-	--			
	GP	5	125-250	60	65	1/2-2.2	6K	-	--			
	R	5	125-250	60	65	1/2-2.2	6K	-	--			
	R	0.1	30	DC	65	1/2-2.2	6K	-	--			
DF f/b [M2] [M2]=[-P1, -G1, f/b A thru Z, f/b -0 thru -999, f/b A thru Z, f/b -Letter(s), -Number(s) or Blank]												

	R	0.1	125-250	50-60	T55	1/2-2.2	6K	10K	--	micro	8A, 8B	-
	R	0.1	60	DC	T55	1/2-2.2	6K	10K	--			
	R	0.1	24	DC	T55	1/2-2.2	6K	10K	--			
DF f/b [M3] [M3]=[-D3 or -GD3, f/b A thru Z, f/b -0 thru -999, f/b A thru Z, f/b -Letter(s), -Number(s) or Blank]												
	R	3	12	DC	T55	1/2-2.2	6K	10K	--	micro	8A, 8B	-
	R	3	5	DC	T55	1/2-2.2	6K	10K	--			
	R	3	24	DC	T55	1/2-2.2	6K	10K	--			
	R	1	125-250	50-60	T55	1/2-2.2	6K	10K	--			
	R	3	125	60	T55	1/2-2.2	6K	10K	--			
	R	2	30	DC	T55	1/2-2.2	6K	10K	--			
	R	1	50	DC	T55	1/2-2.2	6K	10K	--			
	R	0.25	250	DC	T55	1/2-2.2	6K	10K	--			
DF f/b [M4] [M4]=[-03, -G3, f/b A thru Z, f/b -0 thru -999, f/b A thru Z, f/b -Letter(s), -Number(s) or Blank]												
	R	3	125	60	T55	1/2-2.2	6K	10K	--	micro	8A, 8B	-
	R	3	24	DC	T55	1/2-2.2	6K	10K	--			
	R	1	125-250	50-60	T55	1/2-2.2	6K	10K	--			
DF, f/b -01, -G01, f/b A thru Z, f/b -0 thru -999, f/b A thru Z, f/b -Letter(s), -Number(s) or Blank.												
	R	1	125-250	50-60	T55	1/2-2.2	6K	10K	40	micro	8A, 8B	2009-08-10
	R	1	24	DC	T55	1/2-2.2	6K	10K	40			
DF3 f/b [M6] [M6]=[-S3 or -GS3; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]												
	R	3	125	50-60	T55	1/1,1/2-1.2/2.2	6K	50K	--	micro	9A,9B,9C,9D,9E	-
	R	3	250	50-60	T55	1/1,1/2-1.2/2.2	6K	30K	--			
	R	3	24	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	12	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	5	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	24	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	12	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	5	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
DF3 f/b [M7] [M7]=[-04 or -G4; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]												
	R	4	125	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--	micro	9A,9B,9C,9D,9E	-
	R	4	250	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	4	125	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			

	R	4	250	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			

DF3 f/b [M8] [M8]=[-03 or -G3 f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]

	R	3	125	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--	micro	9A,9B,9C,9D,9E	-
	R	3	250	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	125	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	250	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			

DF3 or DFW, f/b -05 or -G5; f/b A thru Z; f/b 1 or 2 numbers or letters; f/b A thru Z; f/b 0, 1 or 2; f/b letter(s) or number(s)

	R	5	125	50-60	T55	1/1, 1/2-1.2/2.2	6K	10K	40	micro	9A, 9B, 9C, 9D, 9E	2013-02-15
	R	5	250	50-60	T55	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	3	24	DC	T55	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	3	12	DC	T55	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	3	5	DC	T70/55	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	5	125	50-60	T85	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	5	250	50-60	T85	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	3	24	DC	T85	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	3	12	DC	T85	1/1, 1/2-1.2/2.2	6K	10K	40			
	R	3	5	DC	T85	1/1, 1/2-1.2/2.2	6K	10K	40			

DF3 or DFW, f/b -D1 or -GD1; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s).

	R	0.1	125-250	DC	-	1/1,1/2-1,2/2.2	6K	10K	40	micro	-	2013-02-15
	R	2	30	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	1	50	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			

	R	0.25	250	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	0.1	250	-	-	1/1,1/2-1,2/2.2	6K	30K	40			
	R	0.1	125	-	-	1/1,1/2-1,2/2.2	6K	50K	40			
	R	0.1	5-24	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	3	5-24	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			

DF3 or DFW, f/b -D7 or -GD7; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s).

	R	3	5-24	DC	-	1/1,1/2-1,2/2.2	6K	10K	40	micro	-	2013-02-15
	R	7	125-250	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	2	30	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	1	50	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	0.25	250	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	3	250	-	-	1/1,1/2-1,2/2.2	6K	30K	40			
	R	3	125	-	-	1/1,1/2-1,2/2.2	6K	50K	40			
	R	3	5-24	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			
	R	5	5-24	DC	-	1/1,1/2-1,2/2.2	6K	10K	40			

DFW f/b [M10] [M10]=[-G7, -07, f/b S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 1, 2, f/b 0 thru 9, A thru Z, f/b -numbers or -letters]

	R	7	125	50-60	55	1/1-1.2	0K	10K	--	micro	1, 13A, 13B, 13C, 13D	-
	R	7	250	50-60	55	1/1-1.2	0K	10K	--			
	R	3	24	DC	55	1/1-1.2	0K	10K	--			

DFW f/b [M11] [M11]=[-G7, -07, f/b S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 0, f/b 0 thru 9, A thru Z, f/b -numbers or -letters]

	R	7	125	50-60	55	1/2-2.2	0K	10K	--	micro	1, 13A, 13B, 13C, 13D	-
	R	7	250	50-60	55	1/2-2.2	0K	10K	--			
	R	3	24	DC	55	1/2-2.2	0K	10K	--			

DFW f/b [M12] [M12]=[-G1, -P1, -G3, -03, -G5, -05, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 4, 5, f/b 0 thru 9, A thru Z, f/b -numbers or -letters]

	R	0.1	125	50-60	55	1/1-1.2	6K	10K	--	micro	1, 13A, 13B, 13C, 13D	-
	R	0.1	250	50-60	55	1/1-1.2	6K	10K	--			
	R	3	125	50-60	55	1/1-1.2	6K	10K	--			
	R	3	250	50-60	55	1/1-1.2	6K	10K	--			
	R	5	125	50-60	55	1/1-1.2	6K	10K	--			
	R	5	250	50-60	55	1/1-1.2	6K	10K	--			
	R	3	24	DC	55	1/1-1.2	6K	10K	--			

DFW f/b [M13] [M13]=[-G1, -P1, -G3, -03, -G5, -05, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 1, 2, f/b 0 thru 9, A thru Z, f/b -numbers or -letters]

	R	0.1	125	50-60	85	1/1-1.2	6K	10K	--	micro	1, 13A, 13B, 13C, 13D	-
	R	0.1	250	50-60	85	1/1-1.2	6K	10K	--			

	R	3	125	50-60	85	1/1-1.2	6K	10K	--			
	R	3	250	50-60	85	1/1-1.2	6K	10K	--			
	R	5	125	50-60	85	1/1-1.2	6K	10K	--			
	R	5	250	50-60	85	1/1-1.2	6K	10K	--			
	R	3	24	DC	85	1/1-1.2	6K	10K	--			

DFW f/b [M14] [M14]=[-G1, -P1, -G3, -03, -G5, -05, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 0, f/b 0 thru 9, A thru Z, f/b -numbers or -letters]

	R	0.1	125	50-60	85	1/2-2.2	6K	10K	--	micro	1, 13A, 13B, 13C, 13D	-
	R	0.1	250	50-60	85	1/2-2.2	6K	10K	--			
	R	3	125	50-60	85	1/2-2.2	6K	10K	--			
	R	3	250	50-60	85	1/2-2.2	6K	10K	--			
	R	5	125	50-60	85	1/2-2.2	6K	10K	--			
	R	5	250	50-60	85	1/2-2.2	6K	10K	--			
	R	3	24	DC	85	1/2-2.2	6K	10K	--			

DFW f/b [M16] [M16]=[-S3 or -GS3; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]

	R	3	125	50-60	T55	1/1,1/2-1.2/2.2	6K	50K	--	micro	9A,9B,9C,9D,9E	-
	R	3	250	50-60	T55	1/1,1/2-1.2/2.2	6K	30K	--			
	R	3	24	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	12	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	5	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	24	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	12	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	3	5	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			

DFW f/b [M17] [M17]=[-04 or -G4; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]

	R	4	125	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--	micro	9A,9B,9C,9D,9E	-
	R	4	250	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	4	125	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	4	250	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			

DFW f/b [M18] [M18]=[-03 or -G3 f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]

	R	3	125	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--	micro	9A,9B,9C,9D,9E	-
	R	3	250	50-60	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T55	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	125	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	250	50-60	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	24	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	12	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			
	R	3	5	DC	T85	1/1,1/2-1.2/2.2	6K	10K	--			

DFW f/b [M3] {M3}=[-P1 or -G1; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]

	R	0.1	125-250	50-60	T55	1/1,1/2-1,2/2.2	6K	10K	--	micro	9A~9E	-
	R	0.1	24	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.1	12	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.1	5	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.1	125-250	50-60	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.1	24	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.1	12	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.1	5	DC	T85	1/1,1/2-1,2/2.2	6K	10K	--			

DFW f/b [M4] [M4]=[-D5 or -GD5; f/b A thru Z; f/b 0 or 1; f/b 1 or 2 numbers or letters; f/b 0, 1 or 2; f/b number(s) or letter(s); f/b -number(s) or -letter(s)]

	R	5	125-250	50-60	T55	1/1,1/2-1,2/2.2	6K	10K	--	micro	9A~9E	-
	R	5	24	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	5	12	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	5	5	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	2	30	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	1	50	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			
	R	0.25	250	DC	T55	1/1,1/2-1,2/2.2	6K	10K	--			

DFW f/b [M5] M5]=[f/b -G1, -P1, -G3, -03, -G5, -05, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 3, f/b 0 thru 9, A thru Z, f/b -numbers or -letters]

	R	0.1	125	50-60	55	1/2-2.2	6K	10K	--	micro	1, 13A, 13B, 13C, 13D	-
	R	0.1	250	50-60	55	1/2-2.2	6K	10K	--			
	R	3	125	50-60	55	1/2-2.2	6K	10K	--			

	R	3	250	50-60	55	1/2-2.2	6K	10K	--			
	R	5	125	50-60	55	1/2-2.2	6K	10K	--			
	R	5	250	50-60	55	1/2-2.2	6K	10K	--			
	R	3	24	DC	55	1/2-2.2	6K	10K	--			

DFW f/b [M6] [M1]=[-G1, -P1, -G3, -03, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b 0 thru 9, A thru Z, f/b 1, 2, f/b 0 thru 9, A thru Z, f/b -E, -F, -G, f/b A000 thru Z999, f/b numbers or letters]

	R	3	125	50-60	55	1/1-1.2	6K	10K	--	micro	1, 13A, 13B, 13C, 13E	-
	R	3	125	50-60	55	1/1-1.2	6K	10K	--			
	R	3	250	50-60	55	1/1-1.2	6K	10K	--			
	R	3	250	50-60	55	1/1-1.2	6K	10K	--			
	R	3	24	DC	55	1/1-1.2	6K	10K	--			
	R	3	24	DC	55	1/1-1.2	6K	10K	--			
	R	0.1	125	50-60	55	1/1-1.2	6K	10K	--			
	R	0.1	125	50-60	55	1/1-1.2	6K	10K	--			
	R	0.1	250	50-60	55	1/1-1.2	6K	10K	--			
	R	0.1	250	50-60	55	1/1-1.2	6K	10K	--			

DFW f/b [M7] [M7]=[-G1, -P1, -G3, -03, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b 0 thru 9, A thru Z, f/b 0, f/b 0 thru 9, A thru Z, f/b -E, -F, -G, f/b A000 thru Z999, f/b numbers or letters]

	R	3	125	50-60	55	1/2-2.2	6K	10K	--	micro	1, 13A, 13B, 13C, 13E	-
	R	3	125	50-60	55	1/2-2.2	6K	10K	--			
	R	3	250	50-60	55	1/2-2.2	6K	10K	--			
	R	3	250	50-60	55	1/2-2.2	6K	10K	--			
	R	3	24	DC	55	1/2-2.2	6K	10K	--			
	R	3	24	DC	55	1/2-2.2	6K	10K	--			
	R	0.1	125	50-60	55	1/2-2.2	6K	10K	--			
	R	0.1	125	50-60	55	1/2-2.2	6K	10K	--			
	R	0.1	250	50-60	55	1/2-2.2	6K	10K	--			
	R	0.1	250	50-60	55	1/2-2.2	6K	10K	--			

DFW f/b [M8] [M8]=[-G5, -05, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b A thru Z, f/b 0, f/b 0 thru 9, A thru Z, f/b -E, -F, -G, f/b A000 thru Z999, f/b numbers or letters]

	R	5	125	50-60	55	1/2-2.2	0K	10K	--	micro	1, 13A, 13B, 13C, 13E	-
	R	5	125	50-60	55	1/2-2.2	0K	10K	--			
	R	5	250	50-60	55	1/2-2.2	0K	10K	--			
	R	5	250	50-60	55	1/2-2.2	0K	10K	--			
	R	3	24	DC	55	1/2-2.2	0K	10K	--			
	R	3	24	DC	55	1/2-2.2	0K	10K	--			

DFW f/b [M9] [M9]=[-G5, -05, f/b L, S, f/b -A00 thru -A999, -B00 thru -B999, f/b 0 thru 9, A thru Z, f/b 1, 2, f/b 0 thru 9, A thru Z, f/b -E, -F, -G, f/b A000 thru Z999, f/b numbers or letters]

	R	5	125	50-60	55	1/1-1.2	0K	10K	--	micro	1, 13A, 13B, 13C, 13E	-
	R	5	125	50-60	55	1/1-1.2	0K	10K	--			
	R	5	250	50-60	55	1/1-1.2	0K	10K	--			
	R	5	250	50-60	55	1/1-1.2	0K	10K	--			
	R	3	24	DC	55	1/1-1.2	0K	10K	--			
	R	3	24	DC	55	1/1-1.2	0K	10K	--			

DM, f/b -03, f/b Letter(s), Number(s) or Blank.

	R	0.1	125	60	T55	1/1,2-2.2	6K	10K	40	micro	6A,6B	2009-08-10
	R	1	125	60	T55	1/1,2-2.2	6K	10K	40			
	R	3	125	60	T55	1/1,2-2.2	6K	10K	40			
	R	0.2	60	DC	T55	1/1,2-2.2	6K	10K	40			
	R	0.1	48	DC	T55	1/1,2-2.2	6K	10K	40			
	R	3	30	DC	T55	1/1,2-2.2	6K	10K	40			

DM, f/b -P1, f/b Letter(s), Number(s) or Blank.

	R	0.1	125	60	T55	1/1,2-2.2	6K	10K	40	micro	6A,6B	2009-08-10
	R	0.2	60	DC	T55	1/1,2-2.2	6K	10K	40			
	R	0.1	48	DC	T55	1/1,2-2.2	6K	10K	40			

DW f/b -N2 or -N3; f/b S; f/b - Letter(s), number(s) or Blank; f/b 0, 1 or 2; f/b -E, -F, -G, -H, -I, or -J; f/b A001 thru Z999; f/b Letter(s), number(s) or Blank

	R	3	125	60	T55	1/2 or 1/1-2.2	6K	10K	40	micro	Notes 7A, 7B, 7C	2009-08-10
	R	3	12	DC	T55	1/2 or 1/1-2.2	6K	100K	40			
	R	0.1	12	DC	T55	1/2 or 1/1-2.2	6K	100K	40			
	R	0.01	12	DC	T55	1/2 or 1/1-2.2	6K	100K	40			

DW f/b [M1] [M1]=[-N2 or -N3; f/b S; f/b - Letter(s), number(s) or Blank; f/b Letter(s), Number(s) or Blank; f/b 0, 1 or 2; f/b Letter(s), Number(s) or Blank]

	R	3	125	60	T55	1/2 or 1/1-2.2	6K	10K	--	micro	Notes 7A, 7B, 7C	-
	R	3	12	DC	T55	1/2 or 1/1-2.2	6K	100K	--			
	R	0.1	12	DC	T55	1/2 or 1/1-2.2	6K	100K	--			
	R	0.01	12	DC	T55	1/2 or 1/1-2.2	6K	100K	--			

DW2 f/b [M1] [M1]=[-03 or -G3, f/b S or H, f/b -Letter(s) or -Number(s), f/b A thru Z, f/b 0, 1 or 2, f/b Letter(s) or Number(s), f/b -E, -E, -G or -H, f/b A001 thru. Z999, f/b -Letter(s), -Number(s) or Blank]

	R	3	250	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--	micro	Notes 11A, 11B, 11C	-
	R	3	125	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--			
	R	0.1	250	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--			
	R	0.1	125	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--			
	R	3	12	DC	T55	1/2 or 1/1-2.2 or 1.2	6K	100K	--			
	R	0.1	12	DC	T55	1/2 or 1/1-2.2 or 1.2	6K	100K	--			
	R	3	24	DC	T55	1/2 or 1/1-2.2 or 1.2	6K	50K	--			

DW2 f/b [M2] [M2]=[-03 or -G3, f/b S or H, f/b -Letter(s) or -Number(s), f/b A thru Z, f/b 0, 1 or 2, f/b Letter(s) or Number(s), f/b -Letter(s), -Number(s) or Blank]

	R	3	250	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--	micro	Notes 11B, 11C	-
	R	3	125	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--			
	R	0.1	250	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--			
	R	0.1	125	60	T55	1/2 or 1/1-2.2 or 1.2	6K	10K	--			
	R	3	12	DC	T55	1/2 or 1/1-2.2 or 1.2	6K	100K	--			
	R	0.1	12	DC	T55	1/2 or 1/1-2.2 or 1.2	6K	100K	--			
	R	3	24	DC	T55	1/2 or 1/1-2.2 or 1.2	6K	50K	--			

DW5 f/b [M1] [M1]=[0,1 or 2 f/b P1, G1, 03, or G3 f/b S or H f/b blank or Letters or numbers f/b 2 letters or numbers f/b 0,1 or 2 f/b 5 letters or numbers (Lead Wire Type)]

	GP	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--	micro	note 14C	-
	GP	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	0.1	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	R	0.1	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	GP	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	3	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	R	3	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	R	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	GP	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			

DW5 f/b [M2] [M2]=[0,1 or 2 f/b P1, G1, 03, or G3 f/b S or H f/b blank or Letters or numbers f/b 2 letters or numbers f/b 0,1 or 2 f/b 2 letters or numbers]

	GP	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--	micro	note 14C	-
	GP	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	0.1	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	0.1	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	R	0.1	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			

	GP	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	3	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	R	3	12	DC	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	R	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	GP	3	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			

SM f/b -G1, -P1, -G5, -05, -G10 or -10 f/b T, Q, H, S, L or D f/b - 2 letters or numbers, f/b 0 ~ 5, f/b -numbers or -letters.

	R	0.1	125-250	50-60	T120	1/1,1/2-2.2	6K	10K	--	micro	16A, 16B	-
	R	5	125-250	50-60	T120	1/1,1/2-2.2	6K	10K	--			
	R	10.1	125-250	50-60	T120	1/1,1/2-2.2	6K	10K	--			
	GP	10.1	125-250	50-60	T120	1/1,1/2-2.2	6K	10K	--			
	GP	5	125-250	50-60	T120	1/1,1/2-2.2	6K	10K	--			
	GP	0.1	125-250	50-60	T120	1/1,1/2-2.2	6K	10K	--			
	R	0.1	30	DC	T120	1/1,1/2-2.2	6K	10K	--			
	R	5	30	DC	T120	1/1,1/2-2.2	6K	10K	--			
	R	5	30	DC	T55	1/1,1/2-2.2	6K	10K	--			
	R	0.1	30	DC	T55	1/1,1/2-2.2	6K	10K	--			
	R	0.1	125-250	50-60	T55	1/1,1/2-2.2	6K	10K	--			
	R	5	125-250	50-60	T55	1/1,1/2-2.2	6K	10K	--			
	R	10.1	125-250	50-60	T55	1/1,1/2-2.2	6K	10K	--			
	GP	10.1	125-250	50-60	T55	1/1,1/2-2.2	6K	10K	--			
	GP	5	125-250	50-60	T55	1/1,1/2-2.2	6K	10K	--			
	GP	0.1	125-250	50-60	T55	1/1,1/2-2.2	6K	10K	--			

SM1 f/b [M1] ;[M1]=[f/b -G1, -GC1, -N1, -NC1 -G3, -GC3, -N3, -NC3, -S5, -N5, -G5, -G6 or -N6, f/b D, L, S or H, f/b 00~999, f/b A~Z, f/b 0~5, f/b letters or numbers]

	R	0.1	125-250	50-60	125	1/1, 1/2-1.2, 2.2	6K	10K	--	micro	13D, Note 3, A8	-
	R	3	125-250	50-60	125	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	6	125-250	50-60	125	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	5	125	50-60	T55	1/1, 1/2-1.2, 2.2	6K	50K	--			
	R	0.1	30	DC	125	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	3	30	DC	125	1/1, 1/2-1.2, 2.2	6K	10K	--			

	R	5	30	DC	125	1/1, 1/2-1.2, 2.2	6K	10K	--			
	R	5	125-250	50-60	T55	1/1, 1/2-1.2, 2.2	6K	100K	--			
	GP	5	125-250	50-60	T55	1/1, 1/2-1.2, 2.2	6K	10K	--			
	RM	6(3)	125-250	50-60	85	1/1, 1/2-1.2, 2.2	6K	10K	--			
	RM	3(3)	125-250	50-60	85	1/1, 1/2-1.2, 2.2	6K	10K	--			
	GP	3	125-250	50-60	85	1/1, 1/2-1.2, 2.2	6K	10K	--			
	GP	6	125-250	50-60	85	1/1, 1/2-1.2, 2.2	6K	10K	--			
	RM	5(3)	125-250	50-60	85	1/1, 1/2-1.2, 2.2	6K	10K	--			
	GP	5	125-250	50-60	85	1/1, 1/2-1.2, 2.2	6K	10K	--			
SM1 f/b [M2] [M2]=[-16 ; f/b H; f/b -00 thru -999; f/b A thru Z ; f/b 0, 1 or 2; f/b -Numbers or -Letters]												
	GP	16.1	125-250	60	T55	1/2-2.2	6K	10K	--	micro	Notes A2, A3, A4, A7	-
SM1 f/b [M3] [M3]=[-10 ; f/b S or H; f/b -00 thru -999; f/b A thru Z ; f/b 0, 1 or 2; f/b -Numbers or -Letters]												
	GP	10.1	125-250	60	T125	1/2-2.2	6K	10K	--	micro	Notes A2, A3, A4, A6	-
SM1, f/b -P1, -03, -05, -06 ; f/b A thru. Z ; f/b -00 thru -999;f/b A thru. Z ; f/b 0, 1 or 2; f/b -Numbersor -Letters.												
	R	6	125-250	60	T125	1/2-2.2	6K	10K	40	micro	Notes A2, A3, A4, A5	2013-02-15
	R	5	125-250	60	T125	1/2-2.2	6K	10K	40			
	R	3	125-250	60	T125	1/2-2.2	6K	10K	40			
	R	0.1	125-250	60	T125	1/2-2.2	6K	10K	40			
	GP	0.1,3,5,6	125-250	50-60	T125	1/2-2.2	6K	10K	40			
SM1-S5 Series	GP	5	125-250	50-60	T55	1/2-2.2	6K	10K	40	micro	Notes A4, A5	2009-08-10
	R	5	125-250	50-60	T55	1/2-2.2	6K	100K	40			
SW f/b [M1] [M1]=[f/b -P1 or -G1; f/b A thru Z; f/b -numbers or -letters; f/b A thru Z; f/b 0, 1, or 2; f/b -E, F, G, H, I or J; f/b numbers or -letters; f/b -numbers or -letters]												
	R	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--	micro	5A, 5B, 5C, 5D, 5E	-
	R	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	30	DC	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	30	DC	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			

	GP	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			

SW f/b [M2] [M2]=[-P1 or -G1; f/b A thru Z; f/b -numbers or -letters; f/b A thru Z; f/b 0, 1, or 2, 3, 4 or 5; ; f/b -numbers or -letters]

	R	0.1	125	60	T120	1/1 or 1/2-2.2	6K	10K	--	micro	5A, 5B, 5C, 5D, 5E	-
	R	0.1	250	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	30	DC	T120	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	30	DC	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	125	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	250	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			

SW f/b [M3] [M3]=[-G5 or -05; f/b A thru Z; f/b -numbers or -letters; f/b A thru Z; f/b 0, 1, 2, 3, 4, or 5,; f/b -E, F, G, or H; f/b numbers or -letters; f/b -numbers or -letters]

	R	5	125	60	T55	1/1 or 1/2-2.2	6K	10K	--	micro	5A, 5B, 5C, 5D, 5E	-
	R	5	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	5	30	DC	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	5	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	5	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	5	30	DC	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			

	GP	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			

SW f/b [M4] [M4]=[-G5 or -05; f/b A thru Z; f/b -numbers or -letters; f/b A thru Z; f/b 0, 1 , 2; 3, 4 or 5; f/b -numbers or -letters]

	R	5	125	60	T120	1/1 or 1/2-2.2	6K	10K	--	micro	5A, 5B, 5C, 5D, 5E	-
	R	5	250	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	R	5	30	DC	T120	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	250	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	125	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	R	5	125	60	T55/120	1/1 or 1/2-2.2	6K	10K	--			
	R	5	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	5	30	DC	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	250	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	GP	5	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	125	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	R	0.1	250	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	250	60	T120	1/1 or 1/2-2.2	6K	10K	--			
	GP	0.1	125	60	T55	1/1 or 1/2-2.2	6K	10K	--			

SW1 f/b [M1] [M1]=[f/b -G1, -P1, -G6, -06, -G10 , -10, -G12 or 12 , f/b D, L, S or H, f/b 0 or 1, f/b letters or numbers, f/b A, B, C, D or E, f/b 0, 1, or 2, f/b E, F, G or H, f/b A000-Z999, f/b -numbers or -letters]

	R	0.1	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--	micro	14A, 13B, 14C	-
	R	6	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	10	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	GP	12	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	6	30	DC	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	0.1	30	DC	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	0.1	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	6	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	10	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	GP	12	125-250	50-60	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	6	30	DC	55	1/1,1/2-1.2,2.2	0K	10K	--			
	R	0.1	30	DC	55	1/1,1/2-1.2,2.2	0K	10K	--			

SW1 f/b [M2] [M2]=[f/b -G1, -P1, -G6, -06, -G10 , -10, -G12 or 12 , f/b D, L, S or H, f/b 0 or 1, f/b letters or numbers, f/b A, B, C, D, F or P, f/b 0, 1, 2, 3, 4 or 5, f/b -numbers or -letters]

	R	0.1	125-250	50-60	125	1/1,1/2-1.2,2.2	6K	10K	--	micro	14A, 13B, 14C	-
	R	6	125-250	50-60	125	1/1,1/2-1.2,2.2	6K	10K	--			
	R	10	125-250	50-60	125	1/1,1/2-1.2,2.2	6K	10K	--			
	GP	12	125-250	50-60	125	1/1,1/2-1.2,2.2	6K	10K	--			
	R	6	30	DC	125	1/1,1/2-1.2,2.2	6K	10K	--			
	R	0.1	30	DC	125	1/1,1/2-1.2,2.2	6K	10K	--			
	R	0.1	125-250	50-60	55	1/1,1/2-1.2,2.2	6K	10K	--			
	R	6	125-250	50-60	55	1/1,1/2-1.2,2.2	6K	10K	--			
	R	10	125-250	50-60	55	1/1,1/2-1.2,2.2	6K	10K	--			
	GP	12	125-250	50-60	55	1/1,1/2-1.2,2.2	6K	10K	--			
	R	6	30	DC	55	1/1,1/2-1.2,2.2	6K	10K	--			
	R	0.1	30	DC	55	1/1,1/2-1.2,2.2	6K	10K	--			

SW2- f/b [M10] [M10]=[03, G3, C3, GC3 f/b H, S, L, f/b 3 numbers or lletters, f/b 0,1,2, f/b 2 letters, f/b 000~999, f/b letters or numbers]

	GP	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	-	-
	R	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	3	30	DC	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	3	30	DC	T55	1/1,1/2-1.2, 2.2	6K	10K	--			

SW2- f/b [M11] [M11]=[06, G6, f/b H, S, L, f/b 3 numbers or lletters, f/b 0,1,2, f/b letters, f/b letters, f/b 000~999, f/b letters or numbers]

	GP	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	-	-
	R	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	5	30	DC	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	5	30	DC	T55	1/1,1/2-1.2, 2.2	6K	10K	--			

SW2- f/b [M12] [M12]=[06, G6, f/b H, S, L, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2, f/b letters or numbers]

	GP	6	125-250	50-60	125	1/1,1/2-1.2, 2.2	6K	10K	--	micro	-	-
	GP	6	125-250	50-60	55	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	6	125-250	50-60	125	1/1,1/2-1.2, 2.2	6K	10K	--			

	R	6	125-250	50-60	55	1/1,1/2-1.2, 2.2	6K	10K	--				
	GP	6	125-250	50-60	85	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	6	125-250	50-60	85	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	5	30	DC	55	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	5	30	DC	85	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	5	30	DC	125	1/1,1/2-1.2, 2.2	6K	10K	--				

SW2- f/b [M13] [M13]=[03, G3, C3, GC3, f/b H, S, L, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2 f/b letters or numbers]

	GP	3	125-250	50-60	125	1/1,1/2-1.2, 2.2	6K	10K	--	micro	-	-	
	GP	3	125-250	50-60	55	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	3	125-250	50-60	125	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	3	125-250	50-60	55	1/1,1/2-1.2, 2.2	6K	10K	--				
	GP	3	125-250	50-60	85	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	3	125-250	50-60	85	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	3	30	DC	85	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	3	30	DC	125	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	3	30	DC	55	1/1,1/2-1.2, 2.2	6K	10K	--				

SW2- f/b [M14] [M14]=[P1, G1, C1, GC1, f/b H, S, L, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2,3,4,5, f/b letters or numbers]

	GP	0.1	125-250	50-60	125	1/1,1/2-1.2, 2.2	6K	10K	--	micro	-	-	
	GP	0.1	125-250	50-60	55	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	0.1	125-250	50-60	125	1/1,1/2-1.2, 2.2	6K	10K	--				
	R	0.1	125-250	50-60	55	1/1,1/2-1.2, 2.2	6K	10K	--				

SW2- f/b [M1] [M1]=[H10, f/b H, S, f/b 3 numbers or letters, f/b 0,1,2, f/b letters f/b letters f/b 000~999 f/b letters or numbers]

	RM	10(2)	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-	
	RM	10(2)	125-250	50-60	55	1/2-2.2	6K	10K	--				
	R	10	125-250	50-60	55	1/2-2.2	6K	10K	--				
	R	10	125-250	50-60	55	1/2-2.2	6K	10K	--				
	R	5	30	DC	55	1/2-2.2	6K	10K	--				
	R	5	30	DC	55	1/2-2.2	6K	10K	--				
	hp	1/4	125-250	50-60	55	1/2-2.2	6K	10K	--				
	hp	1/4	125-250	50-60	55	1/2-2.2	6K	10K	--				
SW2-f/b	RM	12(2)	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-	

[M2]

	RM	12(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	55	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	55	1/2-2.2	6K	10K	--			
	hp	1/3	125-250	50-60	55	1/2-2.2	6K	10K	--			
	hp	1/3	125-250	50-60	55	1/2-2.2	6K	10K	--			

SW2- f/b [M3] [M3]=[10, G10 f/b H, S, f/b 3 numbers or letters, f/b 0,1,2, f/b letters f/b letters f/b 000~999 f/b letters or numbers]

	RM	10(2)	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-
	RM	10(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			

SW2- f/b [M4] [M4]=[12, G12 f/b H, S, f/b 3 numbers or letters, f/b 0,1,2, f/b letters f/b letters f/b 000~999 f/b letters or numbers]

	RM	12(2)	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-
	R	12	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	RM	12(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			

SW2- f/b [M5] [M5]=[12, G12 f/b H, S, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2, f/b letters or numbers]

	GP	12	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-
	GP	12	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GP	12	125-250	50-60	125	1/2-2.2	6K	10K	--			
	GPM	12(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	GPM	12(2)	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GPM	12(2)	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	85	1/2-2.2	6K	10K	--			

	R	12	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	85	1/2-2.2	6K	10K	--			
	R	5	30	DC	125	1/2-2.2	6K	10K	--			
SW2- f/b [M6] [M6]=[H12, f/b H, S, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2, f/b letters or numbers]												
	GP	12	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-
	GP	12	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GP	12	125-250	50-60	125	1/2-2.2	6K	10K	--			
	GPM	12(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	GPM	12(2)	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GPM	12(2)	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	85	1/2-2.2	6K	10K	--			
	R	12	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	85	1/2-2.2	6K	10K	--			
	R	5	30	DC	125	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	55	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	85	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	125	1/2-2.2	6K	10K	--			
	hp	1/3	125-250	50-60	55	1/2-2.2	6K	10K	--			
	hp	1/3	125-250	50-60	85	1/2-2.2	6K	10K	--			
	hp	1/3	125-250	50-60	125	1/2-2.2	6K	10K	--			
SW2- f/b [M7] [M7]=[H10, f/b H, S, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2, f/b letters or numbers]												
	GP	10	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-
	GP	10	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GP	10	125-250	50-60	125	1/2-2.2	6K	10K	--			
	GPM	10(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	GPM	10(2)	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GPM	10(2)	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	85	1/2-2.2	6K	10K	--			

	R	10	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	85	1/2-2.2	6K	10K	--			
	R	5	30	DC	125	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	55	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	85	1/2-2.2	6K	10K	--			
	hp	1/4	125-250	50-60	125	1/2-2.2	6K	10K	--			
SW2- f/b [M8] [M8]=[10, G10, f/b H, S, f/b 2 numbers or letters, f/b A,B,P, G or Letters, f/b 0,1,2, f/b letters or numbers]												
	GP	10	125-250	50-60	55	1/2-2.2	6K	10K	--	micro	-	-
	GP	10	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GP	10	125-250	50-60	125	1/2-2.2	6K	10K	--			
	GPM	10(2)	125-250	50-60	55	1/2-2.2	6K	10K	--			
	GPM	10(2)	125-250	50-60	85	1/2-2.2	6K	10K	--			
	GPM	10(2)	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	55	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	85	1/2-2.2	6K	10K	--			
	R	10	125-250	50-60	125	1/2-2.2	6K	10K	--			
	R	5	30	DC	55	1/2-2.2	6K	10K	--			
	R	5	30	DC	85	1/2-2.2	6K	10K	--			
	R	5	30	DC	125	1/2-2.2	6K	10K	--			
SW2-, f/b P1, G1, C1, GC1 f/b H, S, L, f/b 3 numbers or lletters, f/b 0,1,2, f/b 0,1,2,3,4,5, f/b letters, f/b letters, f/b 000~999, f/b letters or numbers												
	GP	0.1	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	66	micro	-	2013-02-15
	R	0.1	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	66			
	GP	0.1	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	67			
	R	0.1	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	67			
V3 f/b -10, -16, -20 or -25, f/b E, F, H,G, S, R, L or K, f/b 1 thru 4 letters or numbers or blank												
	R	25.1	250	60	125	1/1 or 1/2-1.2	6K	10K	--	full 3.2	-	-
	R	10	250	60	125	1/1 or 1/2-1.2	6K	10K	--			
	R	16	250	60	125	1/1 or 1/2-1.2	6K	10K	--			
	R	20	250	60	125	1/1 or 1/2-1.2	6K	10K	--			
	RM	16(4)	125-250	50-60	125	1/1 or 1/2-1.2	6K	10K	--			
	RM	10.1(8)	125-250	50-60	125	1/1 or 1/2-1.2	6K	10K	--			
	RM	10.1(10)	125-	50-60	125	1/1 or	6K	10K	--			

		250			1/2-1.2							
	hp	1/2	125-250	60	100	1/1 or 1/2-1.2	6K	-	--			
	hp	1	125-250	60	100	1/1 or 1/2-1.2	6K	-	--			
	GP	16	125-250	60	125	1/1 or 1/2-1.2	6K	-	--			
	GP	25.1	125-250	60	100	1/1 or 1/2-1.2	6K	-	--			
	GP	10	125-250	60	100	1/1 or 1/2-1.2	6K	-	--			
	GP	20.1	125-250	60	100	1/1 or 1/2-1.2	6K	-	--			
	GP	16	125-250	60	100	1/1 or 1/2-1.2	6K	-	--			
VA1-03, -G3, f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	3	125	60	85	1/1 or 1/2-1.2	6K	50K	40	micro	Notes 2, 3	2005-09-30
	R	3	250	60	85	1/1 or 1/2-1.2	6K	50K	40			
VA1-06, -G6, f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	6	125	60	85	1/1 or 1/2-1.2	6K	50K	40	micro	Notes 2, 3	2005-09-30
	R	6	250	60	85	1/1 or 1/2-1.2	6K	50K	40			
VA1-10, -G10, f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	10	125	60	85	1/1 or 1/2-1.2	6K	50K	40	micro	Notes 2, 3	2005-09-30
	R	10	250	60	85	1/1 or 1/2-1.2	6K	50K	40			
VA1-16, -G16, f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	16.1	125	60	85	1/1 or 1/2-1.2	6K	50K	40	micro	Notes 2, 3	2005-09-30
	R	16.1	250	60	85	1/1 or 1/2-1.2	6K	50K	40			
VA1-20, -G20, -26, -G26, f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	20	125	60	85	1/1 or 1/2-1.2	15K	20K	40	micro	Notes 2, 3	2005-09-30
	R	20	250	60	85	1/1 or 1/2-1.2	15K	20K	40			
VA1-P1 f/b A thru Z; f/b 0, 1 or 2; f/b - any number or letter; f/b A thru Z or letters or numbers; f/b 0, 1 or 2; f/b - any number or letter.												
	R	0.1	125	60	85	1/1 or 1/2-1.2	6K	50K	--	micro	Notes 2, 3	-
	R	0.1	250	60	85	1/1 or 1/2-1.2	6K	50K	--			
VA2 f/b -G3 or -03; f/b Q, H, S, L, N, D, B; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters												
	R	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	40	micro	14A, 13B, 13D	2009-08-10
	R	3	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	40			
	R	3	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	40			
VA2 f/b -G5 or -05; f/b Q, H, S, L, N, D; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1, 2, A, B												

or C; f/b -numbers or -letters

	R	5	125-250	50-60	T55	1/2-2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	5	125-250	50-60	T85	1/2-2.2	6K	10K	--			
	R	5	125-250	50-60	T125	1/2-2.2	6K	10K	--			

VA2 f/b [M1] [M1]=[-T6; f/b Q, H, S; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	6	125-250	50-60	T200	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-

VA2 f/b [M2] [M2]=[-AG6 or -A06; f/b Q, H, S, L, N, D; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	6	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	6	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M3] [M3]=[-AG3 or -A03; f/b Q, H, S, L, N, D, B; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	3	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	3	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	3	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M4] [M4]=[-G26 or -26; f/b Q; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	26	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-
	GP	16	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	--			
	hp	1/2	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M5] [M5]=[-G20 or -20; f/b Q, H, S; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	20	125-250	50-60	T55	1/1,1/2-1.2, 2.2	-	10K	--	micro	14A, 13B, 13D	-
	R	20	125-250	50-60	T85	1/1,1/2-1.2, 2.2	-	10K	--			
	R	20	125-250	50-60	T125	1/1,1/2-1.2, 2.2	-	10K	--			
	GP	16	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	--			
	hp	1/2	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M6] [M6]=[-G16 or -16; f/b Q, H, S, L; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0,

1 or 2; f/b -numbers or -letters]

	R	16	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	16	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	16	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	GP	16	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	--			
	hp	1/2	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M7] [M7]=[-G10 or -10; f/b Q, H, S, L; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	10	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	10	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	10	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M8] [M8]=[-G6 or -06; f/b Q, H, S, L, N, D; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	6	125-250	50-60	T55	1/1,1/2-1.2, 2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	6	125-250	50-60	T85	1/1,1/2-1.2, 2.2	6K	10K	--			
	R	6	125-250	50-60	T125	1/1,1/2-1.2, 2.2	6K	10K	--			

VA2 f/b [M9] [M9]=[f/b -G1 or -P1; f/b Q, H, S, L, N, D or B; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1 or 2; f/b -numbers or -letters]

	R	0.1	125-250	50-60	125	1/1, 1/2-2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	0.1	125-250	50-60	85	1/1, 1/2-2.2	6K	10K	--			
	R	0.1	125-250	50-60	55	1/1, 1/2-2.2	6K	10K	--			

VA2-A05 or VA2-AG5 f/b Q, H, S, L, N, D; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1, 2, A, B, C; f/b -numbers or -letters

	R	5	125-250	50-60	T55	1/2-2.2	6K	10K	--	micro	14A, 13B, 13D	-
	R	5	125-250	50-60	T85	1/2-2.2	6K	10K	--			
	GP	5	125-250	50-60	T55	1/2-2.2	6K	10K	--			
	GP	5	125-250	50-60	T85	1/2-2.2	6K	10K	--			

VA2-T5 f/b Q, H, S; f/b letters or numbers; f/b letters or numbers; f/b letters; f/b 0, 1, 2, A, B or C; f/b -numbers or -letters

	R	5	125-250	50-60	T200	1/2-2.2	6K	10K	--	micro	14A, 13B, 13D	-

VK f/b P1, G1, 03, G3, 06, G6, 10, G10, 15, G15, T1, T3, T6 f/b 3 letters or numbers f/b 0, 1, 2 f/b 2 letters or numbers or blank.

	GP	0.1	125-250	60	T55	1/2-2.2	6K	-	--	micro	-	-
	GP	0.1	125-250	60	T85	1/2-2.2	6K	-	--			
	GP	0.1	125-	60	T120	1/2-2.2	6K	-	--			

			250									
	R	15	125-250	60	T120	1/2-2.2	10K	-	--			
	R	15	125-250	60	T85	1/2-2.2	10K	-	--			
	R	15	125-250	60	T55	1/2-2.2	10K	-	--			
	hp	1/2	125-250	60	T55	1/2-2.2	6K	-	--			
	hp	1/2	125-250	60	T85	1/2-2.2	6K	-	--			
	hp	1/2	125-250	60	T120	1/2-2.2	6K	-	--			
	R	0.1	30	DC	T55	1/2-2.2	6K	-	--			
	R	0.1	30	DC	T85	1/2-2.2	6K	-	--			
	R	0.1	30	DC	T120	1/2-2.2	6K	-	--			
	R	0.1	125-250	50-60	T55	1/2-2.2	-	10K	--			
	R	0.1	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	0.1	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	15	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	15	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	15	125-250	50-60	T55	1/2-2.2	-	10K	--			
	RM	16(4)	125-250	50-60	T55	1/2-2.2	-	10K	--			
	RM	16(4)	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	RM	16(4)	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	GP	0.1	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	3	125-250	60	T55	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T55	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T55	1/2-2.2	6K	-	--			
	GP	3	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	3	125-250	60	T85	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T85	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T85	1/2-2.2	6K	-	--			
	R	16	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	16	125-250	50-60	T55	1/2-2.2	-	10K	--			
	R	16	125-	50-60	40T85	1/2-2.2	-	10K	--			

		250											
	R	3	125-250	50-60	40T125	1/2-2.2	-	10K	--				
	R	6	125-250	50-60	40T125	1/2-2.2	-	10K	--				
	R	10	125-250	50-60	40T125	1/2-2.2	-	10K	--				
	R	3	125-250	50-60	40T85	1/2-2.2	-	10K	--				
	R	6	125-250	50-60	40T85	1/2-2.2	-	10K	--				
	R	10	125-250	50-60	40T85	1/2-2.2	-	10K	--				
	R	3	125-250	50-60	T55	1/2-2.2	-	10K	--				
	R	6	125-250	50-60	T55	1/2-2.2	-	10K	--				
	R	10	125-250	50-60	T55	1/2-2.2	-	10K	--				
	GP	3	125-250	60	T120	1/2-2.2	6K	-	--				
	GP	6	125-250	60	T120	1/2-2.2	6K	-	--				
	GP	10	125-250	60	T120	1/2-2.2	6K	-	--				

VM f/b [M1] [M1]=[- P1, or - G1, f/b any Letter, f/b - any Letter(s) or Number(s), f/b any Letter, f/b 0, 1, or 2, f/b - any Letter(s) or Number(s)]

	R	5	125	60	85	1/1-1.2	6K	10K	--	micro	12A, 12B, 12C	-	
	R	5	125	60	85	1/2-1.2	6K	10K	--				
	R	5	250	60	85	1/1-1.2	6K	10K	--				
	R	5	250	60	85	1/2-1.2	6K	10K	--				
	R	5	30	60	85	1/1-1.2	6K	10K	--				
	R	5	30	60	85	1/2-1.2	6K	10K	--				

VM, f/b - P1, or - G1, f/b any Letter, f/b - any Letter(s) or Number(s), f/b any Letter, f/b 0, 1, or 2, f/b - any Letter(s) or Number(s)

	R	0.1	125	60	85	1/1-1.2	6K	10K	40	micro	12A, 12B, 12C	2009-08-10	
	R	0.1	125	60	85	1/2-1.2	6K	10K	40				
	R	0.1	250	60	85	1/1-1.2	6K	10K	40				
	R	0.1	250	60	85	1/2-1.2	6K	10K	40				
	R	0.1	30	60	85	1/1-1.2	6K	10K	40				
	R	0.1	30	60	85	1/2-1.2	6K	10K	40				

VMN f/b -T, f/b 1, 3 or 6, f/b S, f/b –letters or –numbers, f/b C, D, E, F or G, f/b 0, 1 or 2, f/b –letters or –numbers

	GP	0.1	125-250	60	T55	1/2-2.2	6K	-	--	micro	-	-	
	GP	0.1	125-250	60	T85	1/2-2.2	6K	-	--				
	GP	0.1	125-250	60	T120	1/2-2.2	6K	-	--				
	R	15	125-250	60	T120	1/2-2.2	10K	-	--				
	R	15	125-250	60	T85	1/2-2.2	10K	-	--				
	R	15	125-250	60	T55	1/2-2.2	10K	-	--				
	hp	1/2	125-	60	T55	1/2-2.2	6K	-	--				

		250										
	hp	1/2	125-250	60	T85	1/2-2.2	6K	-	--			
	hp	1/2	125-250	60	T120	1/2-2.2	6K	-	--			
	R	0.1	30	DC	T55	1/2-2.2	6K	-	--			
	R	0.1	30	DC	T85	1/2-2.2	6K	-	--			
	R	0.1	30	DC	T120	1/2-2.2	6K	-	--			
	R	0.1	125-250	50-60	T55	1/2-2.2	-	10K	--			
	R	0.1	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	0.1	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	15	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	15	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	15	125-250	50-60	T55	1/2-2.2	-	10K	--			
	RM	16(4)	125-250	50-60	T55	1/2-2.2	-	10K	--			
	RM	16(4)	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	RM	16(4)	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	GP	0.1	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	3	125-250	60	T55	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T55	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T55	1/2-2.2	6K	-	--			
	GP	3	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T200	1/2-2.2	6K	-	--			
	GP	3	125-250	60	T85	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T85	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T85	1/2-2.2	6K	-	--			
	R	16	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	16	125-250	50-60	T55	1/2-2.2	-	10K	--			
	R	16	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	3	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	6	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	10	125-250	50-60	40T125	1/2-2.2	-	10K	--			
	R	3	125-	50-60	40T85	1/2-2.2	-	10K	--			

			250									
	R	6	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	10	125-250	50-60	40T85	1/2-2.2	-	10K	--			
	R	3	125-250	50-60	T55	1/2-2.2	-	10K	--			
	R	6	125-250	50-60	T55	1/2-2.2	-	10K	--			
	R	10	125-250	50-60	T55	1/2-2.2	-	10K	--			
	GP	3	125-250	60	T120	1/2-2.2	6K	-	--			
	GP	6	125-250	60	T120	1/2-2.2	6K	-	--			
	GP	10	125-250	60	T120	1/2-2.2	6K	-	--			
VP-11 f/b by S , f/b 0, 1 or 2, f/b -00 thru. -99, f/b B, f/b 1, or 2												
	RM	11(3)	125	50-60	85	1/1-1.2	10K	50K	30	micro	6(1), Note A1	2005-09-30
	RM	11(3)	250	50-60	85	1/1-1.2	10K	50K	30			
VP-11 f/b S,f/b 0, 1 or 2, f/b -00 thru -99, f/b B, f/b 0												
	RM	11(3)	125	50-60	85	1/1, 2-2.3	10K	50K	30	micro	6(1), Note A1	2005-09-30
	RM	11(3)	250	50-60	85	1/1, 2-2.3	10K	50K	30			
VW1-03	R	3	250	60	T85	1/2 or 1/1-1.2	6K	10K	--	micro	Notes 10A, 10B, 10C	-
	R	3	125	60	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	3	30	DC	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	3	250	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	3	125	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	3	30	DC	T55	1/2 or 1/1-1.2	6K	10K	--			
VW1-06	R	6	250	60	T85	1/2 or 1/1-1.2	6K	10K	--	micro	Notes 10A, 10B, 10C	-
	R	6	125	60	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	5	30	DC	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	6	250	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	6	125	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	5	30	DC	T55	1/2 or 1/1-1.2	6K	10K	--			
VW1-10	R	10	250	60	T85	1/2 or 1/1-1.2	6K	10K	--	micro	Notes 10A, 10B, 10C	-
	R	10	125	60	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	5	30	DC	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	10	250	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	10	125	60	T55	1/2 or	6K	10K	--			

						1/1-1.2						
	R	5	30	DC	T55	1/2 or 1/1-1.2	6K	10K	--			
VW1-P1	R	0.1	250	60	T85	1/2 or 1/1-1.2	6K	10K	--	micro	Notes 10A, 10B, 10C	-
	R	0.1	125	60	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	0.1	30	DC	T85	1/2 or 1/1-1.2	6K	10K	--			
	R	0.1	250	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	0.1	125	60	T55	1/2 or 1/1-1.2	6K	10K	--			
	R	0.1	30	DC	T55	1/2 or 1/1-1.2	6K	10K	--			

Push Button

P3 flb 08, 10, C16, or 16 f/b S1, S2, L1 or L2 f/b four letters, numbers or blank

	GP	8,10,16	125-250	50-60	T55	1/1-1.2	6K	10K	30	full 3.1	-	2015-02-15
	GP	8,10,16	125-250	50-60	T85	1/1-1.2	6K	10K	30			
	GP	8,10,16	125-250	50-60	T125	1/1-1.2	6K	10K	30			
	R	8,10,16.1	125-250	50-60	T125	1/1-1.2	6K	10K	30			
	R	8,10,16.1	125-250	50-60	T85	1/1-1.2	6K	10K	30			
	R	8,10,16.1	125-250	50-60	T55	1/1-1.2	6K	10K	30			
	hp	3/4	125-250	50-60	T55	1/1-1.2	6K	10K	30			
	hp	3/4	125-250	60	T85	1/1-1.2	6K	10K	30			
	hp	1/2	125-250	60	T55	1/1-1.2	6K	10K	30			
	hp	1/4	125-250	60	T55	1/1-1.2	6K	10K	30			
	RM	8(8)	125-250	50-60	T85	1/1-1.2	6K	50K	30			
	RM	8(8)	125-250	50-60	T125	1/1-1.2	6K	50K	30			
	RM	16.1(4)	125-250	50-60	T125	1/1-1.2	6K	10K	30			
	RM	10(4)	125-250	50-60	T125	1/1-1.2	6K	10K	30			
	RM	8(8)	125-250	50-60	T125	1/1-1.2	6K	10K	30			
	RM	8(3)	125-250	50-60	T125	1/1-1.2	6K	10K	30			
	RM	8(3)	125-250	50-60	T85	1/1-1.2	6K	10K	30			
	RM	8(8)	125-250	50-60	T85	1/1-1.2	6K	10K	30			
	RM	10(4)	125-250	50-60	T85	1/1-1.2	6K	10K	30			
	RM	16.1(4)	125-250	50-60	T85	1/1-1.2	6K	10K	30			
	RM	16.1(4)	125-250	50-60	T55	1/1-1.2	6K	10K	30			

	RM	10(4)	125-250	50-60	T55	1/1-1.2	6K	10K	30			
	RM	8(8)	125-250	50-60	T55	1/1-1.2	6K	10K	30			
	RM	8(3)	125-250	50-60	T55	1/1-1.2	6K	10K	30			

P8 f/b 10 f/b S f/b 0 or 1 f/b letters or numbers f/b letters, numbers or blank

	R	10	125	60	T85	1/1-1.2	6K	-	40	micro	-	2013-02-15
	R	13	125	60	T85	1/1-1.2	6K	-	40			
	R	6	125-250	60	T85	1/1-1.2	6K	-	40			
	R	7	125-250	50-60	T85/55	1/1-1.2	6K	10K	40			
	RM	7(4)	125-250	50-60	T85/55	1/1-1.2	6K	10K	40			

PP3 f/b 12 f/b S or H f/b 2 letters, numbers or blank f/b 11, 12, 13, 21, 22, 23, 31, 32 or 33 f/b letters, numbers or blank f/b letters or numbers

	R	6	125	60	T55	1/2, 2/2-2.2, 2.4	6K	-	40	micro	-	2013-02-13
	R	6	125	60	T85	1/2, 2/2-2.2, 2.4	6K	-	40			
	R	6	125	60	T100	1/2, 2/2-2.2, 2.4	6K	-	40			
	R	12	250	60	T100	1/2, 2/2-2.2, 2.4	6K	-	40			
	R	12	250	60	T85	1/2, 2/2-2.2, 2.4	6K	-	40			
	R	12	250	60	T55	1/2, 2/2-2.2, 2.4	6K	-	40			
	R	15	125-250	50-60	T55	1/2, 2/2-2.2, 2.4	-	10K	40			
	R	15	125-250	50-60	T85	1/2, 2/2-2.2, 2.4	-	10K	40			
	RC	7(70)	125-250	50-60	T85	1/2, 2/2-2.2, 2.4	-	10K	40			
	RC	7(70)	125-250	50-60	T55	1/2, 2/2-2.2, 2.4	-	10K	40			

PP6 f/b -10S f/b 0 or 1 f/b 4 letters or numbers

	GP	10	125-250	60	85	1/1-1.2	6K	-	40	micro	-	2013-02-15
	R	10	125-250	60	85	1/1-1.2	6K	-	40			
	R	8	125-250	50-60	85	1/1-1.2	-	10K	40			
	RC	8(128)	250	50-60	85	1/1-1.2	-	10K	40			
	TV	8	120-240	60	85	1/1-1.2	25K	-	40			

Rocker

RE f/b 1 or blank f/b 06 or 12 f/b S,H or other letters f/b three letters or number or blank f/b A or B f/b two letters or numbers or blank

	GP	3	250	60	55	1/2-2.2	6K	-	--	full 1.8	-	-
	GP	6	125	60	55	1/2-2.2	6K	-	--			
	R	12	125-250	50-60	25T85/55	1/2-2.2	6K	-	--			
	GP	-	125-250	50-60	25T85/55	1/2-2.2	6K	10K	--			

RF f/b 12 f/b S f/b three letters or numbers or blank f/b 1, 2, 3, or 4 f/b two letter or numbers or blank												
	GP	6	125-250	60	T55	1/2-1.2, 2.2	6K	-	--	micro	-	-
	GP	12	125-250	60	T55	1/2-1.2, 2.2	6K	-	--			
	R	12	125-250	50-60	T55	1/2-1.2, 2.2	6K	10K	--			
	R	12	125-250	50-60	T85/55	1/2-1.2, 2.2	6K	10K	--			
	R	12	125-250	50-60	T85	1/2-1.2, 2.2	6K	10K	--			
	RM	12(4)	125-250	50-60	T85	1/2-1.2, 2.2	6K	10K	--			
	RM	12(4)	125-250	50-60	T85/55	1/2-1.2, 2.2	6K	10K	--			
	RM	12(4)	125-250	50-60	T55	1/2-1.2, 2.2	6K	10K	--			
FT-15SGBD f/b -suffixes												
	GP	15.1	125	50-60	50	1/1-A	6K	-	--	-	-	2005-09-30
	GP	15.1	250	50-60	50	1/1-A	6K	-	--			
	hp	1/2	125	50-60	50	1/1-A	6K	-	--			
	hp	1/2	250	50-60	50	1/1-A	6K	-	--			
	GP	15.1	277	50-60	50	1/1-A	6K	-	--			
	GP	15.1	277	50-60	50	1/1-A	6K	-	--			
SM1, f/b -C1, -C3 or -C5; f/b A thru Z; f/b -00 thru -999; f/b A thru Z; f/b 0, 1 or 2; f/b - Letters or Numbers.												
	R	5	125-250	60	T85	1/2-2.2	6K	10K	40	micro	Notes 4, A2, A3,A4, A5	2005-09-30
	R	3	125-250	60	T85	1/2-2.2	6K	10K	40			
	R	0.1	125-250	60	T85	1/2-2.2	6K	10K	40			

Marking: Company name, catalog, model or part number, electrical ratings and the Recognized Component Mark, ⊕ on the product or on the smallest unit container in which the product is packaged.

Investigated to ANSI/UL 1054

Cat. No.	Amps	Volts	Hz	Load	Endur-ance	Temp C	POL/THR	Per Pole/Circuit Code	SPCOA
CN f/b L or R, f/b -P1, -01 or -05, f/b H, L or S, f/b 01-99, f/b Letters or Numbers									
	1	125-250	60	R	6K	65	1/2	-/A	-
	5	125-250	60	R	6K				
	0.1	30	DC	-	6K				
DF Series f/b -03 or -G3, f/b H, S or L, f/b -0 thru -99, f/b A thru Z, f/b -letters or -numbers									
	3	125	60	GP	6K	65	1/2	-/-	-
DF Series, f/b -D3, f/b H, S or L, f/b -0 thru -99, f/b A thru Z, f/b -letters or -numbers									
	3	5	DC	-	10K	65	1/2	-/-	-
	3	12	DC	-	10K				
DF Series, f/b -P1 or -G1, f/b H, S or L, f/b -0 thru -99, f/b A thru Z, f/b -letters or -numbers									
	0.1	60	DC	-	6K	-	-	-/-	-
	0.1	125	60	GP	6K				
DM f/b -P1, -G1, -03, -G3 f/b L or S; f/b -0~-99; f/b Letters or numbers; /b Letters or Numbers									

	3	125	60	GP	10K	65	1/1, 1/2	-/A	Note 1
	1	125	60	GP	10K				
	0.1	125	60	GP	10K				
	0.1	48	DC	-	10K				
	0.2	60	DC	-	10K				
DM, f/b-03, -031 or -032 f/b PS									
	3	125	60	GP	6K	65	1/1 or 2	-/-	Note 1
	1	125	60	GP	6K				
DM-P2 Series f/b S or L, f/b 00-99, f/b C, D, F or P									
	0.2	125	60	R	6K	65	1/2	-/-	-
	0.2	60	DC	-	6K				
	0.1	48	DC	-	6K				
DW f/b -N2; f/b S; f/b - Letters or numbers or blank; f/b A thru Z; f/b 0, 1 or 2; f/b -E, -F, -G, -H or -I; f/b A001 thru Z999; f/b - Special Code									
	0.01	12	DC	-	10K	65	1/1 OR 1/2	-/A	-
	0.1	12	DC	-	10K				
DW f/b -N2; f/b S; f/b - Letters or numbers or blank; f/b A, C, D or P; f/b 0, 1 or 2; f/b A thru Z; f/b - Special Code									
	0.1	12	DC	-	10K	65	1/2	-/A	-
	-	-	-	GP	-				
	-	-	-	GP	-				
DW f/b -N3; f/b S; f/b - Letters or numbers or blank; f/b A thru Z; f/b 0, 1 or 2; f/b -E, -F, -G, -H or -I; f/b A001 thru Z999; f/b - Special Code									
	3	125	60	GP	6K	65	1/1 OR 1/2	-/A	-
	3	12	DC	-	100K				
DW f/b -N3; f/b S; f/b - Letters or numbers or blank; f/b A, C, D or P; f/b 0; f/b A thru Z; f/b - Special Code									
	3	125	60	GP	6K	65	1/2	-/A	-
	3	12	DC	-	100K				
HM2 f/b P1 or 01 f/b H, S or L, f/b 00-99, f/b 0-2									
	1	125	60	GP	6K	65	2/2	PP/-	-
	0.1	60	DC	-	6K				
P3-05 f/b S or L; f/b 1 or 2; f/b -Letters or -Numbers									
	5	125	60	GP	10K	85	1/1 or 2/1	-/B	-
	5	250	60	GP	10K				
	-	125	60	1/4hp	10K				
	-	250	60	1/4hp	10K				
P3-08 f/b S or L; f/b 1 or 2; f/b -Letters or -Numbers									
	8	125	60	GP	10K	85	1/1 or 2/1	-/B	-
	8	250	60	GP	10K				
	-	125	60	1/4hp	10K				
	-	250	60	1/4hp	10K				
P3-12S f/b 1 or 2, f/b -Letters or -Numbers									
	12	125	60	GP	10K	85	1/1 or 2/1	-/B	-
	12	250	60	GP	10K				

	-	125	60	1/2hp	10K				
	-	250	60	1/2hp	10K				
P3-16S f/b 1 or 2; f/b -Letters or -Numbers									
	16	125	60	GP	10K	85	1/1 or 2	-/B	-
	16	250	60	GP	10K				
	-	125	60	3/4hp	10K				
	-	250	60	3/4hp	10K				
P8 Series	6	250	60	R	6K	85	1/1	-/-	-
	13	125	60	R	6K				
	10	125	60	R	6K				
	6	250	60	R	6K				
PB Series	12	125-250	60	GP	6K	150	M/1	PP/-	-
PCSW, PCSQ, PCLW or PCLQ	10	125	60	GP	6K	55	2/1	PP/-	-
	5	250	60	GP	6K				
PG-16	10	250	60	GP	6K	55	3/4	-/-	-
	10	125	60	GP	6K				
PP3 f/b -06, -07 or -12; f/b S or H; f/b -A; f/b 0, 1, 2, 3, 4 or 5; f/b 11, 12, 13, 21, 22, 23, 31, 32 or 33; f/b -Letter or -Numbers.									
	12	250	60	GP	6K	100	M/M	PP/C	-
	6	125	60	GP	6K				
PP3-12	12	250	60	GP	6K	55	2/2	-/B	-
PP3-6	6	125	60	GP	6K	55	2/2	-/B	-
PP5	7	250	60	1/2hp	6K	65	2/2	PP/-	-
PP6	10	250	60	GP	6K	85	1/1	-/-	-
	8	120	60	TV	25K				
	8	240	60	TV	25K				
RC	15	125	60	GP	6K	55	2/1	PP/-	1
	10	250	60	GP	6K				
RD	0.1	250	60	GP	6K	65	2/2	PP/-	-
	0.1	125	60	GP	6K				
	12	250	60	GP	6K				
	12	125	60	GP	6K				
RE f/b 0, 1, 2 or 3, f/b 1 or 2, f/b 1 or 2, f/b W or Q, w/ 2 letter suffixes.									
	6	125	60	GP	6K	55	M/M	PP/A	-
	3	250	60	GP	6K				
	12	250	60	R	6K				
RF f/b H, S or L f/b A thru Z, f/b A thru Z f/b 0, 1 or 2, f/b 0 to 9, f/b Letters or Numbers									
	6	125	60	R	6K	55	1/M	-/A	-
	6	250	60	R	6K				
	12	125	60	R	6K				
	12	250	60	R	6K				
RK	16	125	60	GP	6K	55	1/2	-/-	-
	12	250	60	GP	6K				
RQ f/b -16, f/b S, f/b -D, f/b A or B, f/b B, E, L, G, O, P, R, T, W, Y; f/b 0 or 1; f/b -0, -1, -2, -3, f/b Letters or Numbers									

	16	125	60	R	6K	105	1/1	-/A	Note 3, 4
	16	250	60	R	6K				
SD f/b 0, 1, 2 or 3, f/b 1 or 2, f/b 1 or 2, f/b A, B or C									
	16	250	60	GP	6K	55	M/2	-/-	-
SM-05	3	125	60	GP	10K	120	1/2 or 1/1	-/A	Notes 1, A
	5	250	60	GP	10K				
	5	125	60	GP	10K				
	3	250	60	GP	10K				
	3	30	DC	R	6K				
	5	30	DC	R	10K				
SM-10	5	125	60	GP	100K	120	1/2 or 1/1	-/A	Note 1, A
	5	250	60	GP	100K				
	3	30	DC	-	6K				
	3	125	60	GP	10K				
	3	250	60	GP	10K				
	10.1	125	60	GP	6K				
	10.1	250	60	GP	6K				
SM-G	5	125	60	GP	100K	120	1/2 or 1/1	-/A	Note 1, A
	5	250	60	GP	100K				
	3	30	DC	-	6K				
	10.1	125	60	GP	6K				
	10.1	250	60	GP	6K				
SM-G5	5	125	60	GP	10K	120	1/2 or 1/1	-/A	Note 1, A
	5	250	60	GP	10K				
	3	30	DC	-	6K				
	3	125	60	GP	10K				
	3	250	60	GP	10K				
SM-P1, SM-G1	0.1	125	60	GP	10K	120	1/2 or 1/1	-/A	Notes 1, A, A1, A2
	0.1	250	60	GP	10K				
	0.1	30	DC	-	6K				
SM1 f/b -03, 10, P1; f/b S or H; f/b -00 thru -999; f/b Letters or numbers; f/b 0, 1 or 2; f/b -Numbers or -Letters.									
	0.01	125	60	GP	10K	125	1/2 or	-/A	-
	0.01	250	60	GP	10K				
SM1, f/b -03; f/b S or H; f/b -00 thru -999; f/b Letters or numbers; f/b 0, 1 or 2; f/b -Numbers or -Letters.									
	3	125	60	GP	10K	125	1/2 or	-/A	-
	3	250	60	GP	10K				
SM1, f/b -06; f/b S or H; f/b -00 thru -999; f/b Letters or numbers; f/b 0, 1 or 2; f/b -Numbers or -Letters.									
	10.1	125	60	GP	10K	125	1/2 or	-/A	-
	10.1	250	60	GP	10K				
SM1, f/b -10; f/b S or H; f/b -00 thru -999; f/b Letters or numbers; f/b 0, 1 or 2; f/b -Numbers or -Letters.									
	6	125	60	GP	10K	125	1/2 or	-/B	-
	6	250	60	GP	10K				
SM1, f/b -16; f/b H; f/b -00 thru -999; f/b Letters or numbers; f/b 0, 1 or 2; f/b -Numbers or -Letters.									

	16	125	60	GP	6K	65	1/M	-/-	-
	16	250	60	GP	6K				
SMV	5	125	60	GP	6K	120	1/2 or 1/1	-/-	Note 9, 10
	5	250	60	GP	6K				
	0.1	30	DC	-	10K				
	10.1	125	60	R	6K				
	10.1	250	60	R	6K				
	0.1	125	60	GP	10K				
	0.1	250	60	GP	10K				
	0.5	80	DC	R	6K				
SR f/b H, S, L, f/b A thru Z, f/b A thru Z, f/b 0, 1 or 2, f/b 0 thru 9, f/b A thru Z									
	0.1	125	60	GP	6K	55	1/M	-/-	-
	0.3	30	DC	-	6K				
	5	30	DC	-	6K				
SW f/b P1, G1, G5 or 05; f/b A to Z; f/b numbers or letters; f/b A to Z; f/b 0, 1, 2, 3, 4, 5; f/b E,F,G,H or I; f/b 2 numbers or letters									
	5	125	60	GP	6K	120	1/1 or 1/2	-/A	-
	5	250	60	GP	6K				
	0.1	125	60	GP	6K				
	0.1	250	60	GP	6K				
V3-10	10.1	125-250	60	1/2hp	6K	100	1/1	-/-	-
V3-10 Series	10	125-250	60	GP	6K	100	1/2	-/A	-
	-	125-250	60	1hp	6K				
V3-16	16	125	60	GP	6K	125	1/1	-/-	-
	16	250	60	GP	6K				
	-	125	60	1/2hp	6K				
	-	250	60	1/2hp	6K				
V3-16 Series	16	125-250	60	GP	6K	100	1/2	-/A	-
	-	125-250	60	1hp	6K				
V3-20 Series	20.1	125-250	60	GP	6K	100	1/2	-/-	-
	-	125-250	60	1hp	6K				
V3-25 Series	25	125-250	60	GP	6K	100	1/2	-/-	-
	-	125-250	60	1hp	6K				
VA series	16	125	60	GP	6K	85	1/1 or 1/2	-/-	-
	16	250	60	GP	6K				
	10	125	60	GP	6K				
	10	250	60	GP	6K				
	6	125	60	GP	6K				
	6	250	60	GP	6K				
	-	125	60	1/2hp	6K				

	-	250	60	1/2hp	6K				
VK or VMN, f/b -03, f/b A, B, C, D, G, H, K, L, M, N, R, or S; f/b 00-99; f/b A-Z; f/b 0-2; f/b Letters or Numbers									
	3	125	60	GP	6K	120	1/1 or 1/2	-/A	-
	3	250	60	GP	6K				
	-	125-250	60	1/2hp	6K				
VK or VMN, f/b -06, f/b A, B, C, D, G, H, K, L, M, N, R, or S; f/b 00-99; f/b A-Z; f/b 0-2; f/b Letters or Numbers									
	6	125	60	GP	6K	120	1/1 or 1/2	-/A	-
	6	250	60	GP	6K				
	-	125	60	1/2hp	6K				
	-	250	60	1/2hp	6K				
VK or VMN, f/b -10, f/b A, B, C, D, G, H, K, L, M, N, R, or S; f/b 00-99; f/b A-Z; f/b 0-2; f/b Letters or Numbers									
	10	125	60	GP	6K	120	1/1 or 1/2	-/A	-
	10	250	60	GP	6K				
	-	125	60	1/2hp	6K				
	-	250	60	1/2hp	6K				
VK or VMN, f/b -P1, f/b A, B, C, D, G, H, K, L, M, N, R, or S; f/b 00-99; f/b A-Z; f/b 0-2; f/b Letters or Numbers									
	0.1	30	DC	-	6K	120	1/1 or 1/2	-/A	-
	0.1	125	60	R	6K				
	0.1	250	60	R	6K				
VM f/b -P1 or -G1, or -G5, -5 or -05, f/b Letters or Numbers, f/b Letters or Numbers, f/b Letters or Numbers									
	5	125-250	60	R	10K	85	1/2 or 1/1	-/A	Note 1, 2
	5	125	60	GP	10K				
	5	250	60	GP	10K				
	0.1	125-250	60	GP	10K				
	0.1	125-250	60	R	10K				
VM, f/b -P1 or -G1, /b Letters or Numbers, f/b Letters or Numbers, f/b Letters or Numbers									
	0.1	125-250	60	GP	10K	85	1/2 or 1/1	-/A	Note 1, 2
	0.1	125-250	60	R	10K				
VMN f/b -15, f/b A, B, C, D, G, H, K, L, M, N, R, or S; f/b 00-99; f/b A-Z; f/b 0-2; f/b Letters or Numbers									
	15	125	60	R	10K	120	1/1 or 1/2	-/A	-
	15	250	60	R	10K				
	-	125	60	1/2hp	6K				
	-	250	60	1/2hp	6K				
	15	250	60	GP	6K				
VMN f/b -T, f/b 1, 3 or 6, f/b S, f/b -letters or -numbers, f/b C, D, E, F or G, f/b 0, 1 or 2, f/b -letters or -numbers									
	6	125	60	GP	6K	200	1/1 OR 1/2	-/A	-
	6	250	60	GP	6K				
VMO03 f/b B, D, N, L, S, H, I, J, Q, A, C, M, K, R, G or P, f/b 00 thru 99 f/b A-Z, f/b 0, 1, 2 or 3									
	3	125-250	60	GP	6K	120	1/M	-/-	-

VMO06 f/b B, D, N, L, S, H, I, J, Q, A, C, M, K, R, G or P, f/b 00 thru 99 f/b A-Z, f/b 0, 1, 2 or 3									
	6	125-250	60	GP	6K	120	1/M	-/-	-
VMO10 f/b B, D, N, L, S, H, I, J, Q, A, C, M, K, R, G or P, f/b 00 thru 99 f/b A-Z, f/b 0, 1, 2 or 3									
	10	125-250	60	GP	6K	120	1/M	-/-	-
VMO15 f/b B, D, N, L, S, H, I, J, Q, A, C, M, K, R, G or P, f/b 00 thru 99 f/b A-Z, f/b 0, 1, 2 or 3									
	15	125-250	60	GP	6K	120	1/M	-/-	-
VMOP1 f/b B, D, N, L, S, H, I, J, Q, A, C, M, K, R, G or P, f/b 00 thru 99 f/b A-Z, f/b 0, 1, 2 or 3									
	0.1	125-250	60	GP	6K	120	1/M	-/-	-
	0.1	60	DC	-	6K				

12A - When mounted in accordance with the manufactures instruction, this switch gets a protection degree of IP 40.

12B - The switch is to be employed in an end use product providing an enclosure or insulating barrier that provides Reinforced or Double Insulation over the front and rear switch enclosure Surfaces.

12C - The NC and NO Terminal types are employing the different design of NC and NO Contacts, see ILL 16 for reference.

13A - There is no accessible part for the entire switches and all insulation materials are considered as basic insulation. The switches shall be enclosed within a suitable enclosure, and the acceptability shall be determined in end-product applications.

13B - The switches are provided with solder/PWB type terminals that are suitable for soldering by hand with a soldering iron at 350 C. Also, the solder type terminals are suitable for soldering by solder bath at 235 C.

13C - The switches rated DC rating were evaluated for connecting to supply as "+" polarity only.

13D - IP 4X testing was completed on the complete switch without an end product enclosure. The switch gasket (seal) to the end product enclosure is evaluated in the end product testing.

13E - IP66/IP67 testing was completed on the complete switch without an end product enclosure. The switch gasket (seal) to the end product enclosure is evaluated in the end product testing.

9A - The switches shall be enclosed with a suitable enclosure, and the acceptability shall be determined in end-product applications.

9B - The switches are provided with solder/PWB type terminals that are suitable for soldering by hand with a soldering iron at 350 C. Also, the solder type terminals are suitable for soldering by solder bath at 235 C.

9C - When mounted in accordance with the manufacturer's instruction, these switches have a protection degree of IP40.

9D - The switches are provided with Basic Insulation. The end use evaluation shall ensure all switch parts shall not be exposed to operator accessible.

9E - The switches rated DC rating were evaluated for connecting to supply as "+" polarity only.

Note 1 - Termination other than solder connection, should be evaluated for compliance with the end-use product standard.

Note 10 - Endurance 10K is only applied for ratings 0.1 A, 30 Vdc and 0.1 A, 125/250 Vac

Note 10A - UL61058-1 - When mounted in accordance with the manufactures instruction, this switch gets a protection degree of IP 67 with mounting enclosure opening OD 6 mm as mounting means. Internal parts were not evaluated for IP ratings and must be considered in the end product.

Note 10B - UL61058-1 - The Switch body is installed inside of end product and considered no accessible parts.

Note 10C - UL61058-1 - Heating test was conducted at ambient temperature of 85 deg C with measured maximum temperature of 97.7 deg C on terminals, the suitability of wire conductors using on the switches terminals shall be determined in end-product applications.

Note 11A - When mounted in accordance with the manufactures instruction, this switch gets a protection degree of IP 67 with mounting enclosure opening 13.3 by 5.3 mm as mounting means.

Note 11B - The Switch body is installed inside of end product and considered no accessible parts.

Note 11C - Heating test was conducted at ambient temperature of 55 deg C with measured maximum temperature of 60.7 deg C on terminals, the suitability of wire conductors using on the switches terminals shall be determined in end-product applications.

note 14A - There is no accessible part for the entire switches and all insulation materials are considered as basic insulation. The switches shall be enclosed within a suitable enclosure, and the acceptability shall be determined in end-product applications.

note 14C - IP 40,66, 67 testing was completed on the complete switch without an end product enclosure. The switch gasket (seal) to the end product enclosure is evaluated in the end product testing.

Note 16A - There is no accessible part for the entire switches and all insulation materials are considered as basic insulation. The switches shall be enclosed within a suitable enclosure, and the acceptability shall be determined in end-product applications.

Note 16B - IP 4X testing was completed on the complete switch without an end product enclosure. The switch gasket (seal) to the end product enclosure is evaluated in the end product testing.

Note 2 - The suitability of the actuator button material as an enclosure has not been investigated.

Note 3 - These are lighted switches employing a lamp. The lamp life should be evaluated when required by the end-use product Standard.

Note 4 - The switch has openings in the housing adjacent to arcing parts. The end-use application may involve environments (such as excessive dust or adjacent combustible material) that would exclude an opening in the switch housing.

Note 6A - UL61058-1 - When mounted in accordance with the manufactures instruction, this switch gets a protection degree of IP 40.

Note 6B - UL61058-1 - The switch is to be employed in an end use product providing an enclosure or insulating barrier that provides Reinforced or Double Insulation over the front and rear switch enclosure Surfaces.

Note 8A - UL61058-1 - When mounted in accordance with the manufactures instruction, this switch gets a protection degree of IP 40.

Note 8B - UL61058-1 - The switch is to be employed in an end use product providing an enclosure or insulating barrier that provides Reinforced or Double Insulation over the front and rear switch enclosure Surfaces.

Note 9 - Switch was tested w/wire size 16 AWG connected to Quick Connect Tab size #110.

Note A - 100% Production Line Dielectric Voltage Withstand Test is conducted as outlined in UL 1097, Standard for Double Insulation for Electrical Equipment, Section 22. Refer to Appendix B for details.

Note A1 - Terminations other than solder connections should be evaluated for compliance with the end-use product standard.

Note A2 - Per request of the applicant, 100% Production Line Dielectric Voltage Withstand Test is conducted as outlined in UL 1097, Standard for Double Insulation for Electrical Equipment, Section 22. Refer to Appendix B for details.

Note A6 - UL61058-1 - The tests were conducted with wire size No. 14 AWG stranded copper wire only.

Note A7 - UL61058-1 - The tests were conducted with wire size No. 12 AWG stranded copper wire only.

Note A8 - UL61058-1 - These switches were subjected to the evaluation with the prepared conductors sized No. 20 AWG copper wire (0.1A).

notw 14B - The switches are provided with solder/PWB type terminals that are suitable for soldering by hand with a soldering iron at 350 C. Also, the solder type terminals are suitable for soldering by solder bath at 235 C.

^Note 2 - UL61058-1 - The switch is to be empoyled in an end use product providing an enclosure and/or insulating barrier that provides Reinforced Insulation over the end-use product.

^Note 3 - UL61058-1 - These switches were subjected to the evaluation with the prepared conductors sized No. 18 AWG copper wire.

^Note 4 - UL61058-1 - When mounted in accordance with the manufacturer's instruction, these switches have a protection degree of IP40.

^Note 5A - UL61058-1 - The switches shall be enclosed with a suitable enclosure, and the acceptability shall be determined in end-product applications.

^Note 5B - UL61058-1 - The switches are provided with solder type terminals that are suitable for soldering by hand with a soldering iron at 350 ?XC. Also, the solder type terminals are suitable for soldering by solder bath at 260 ?XC.

^Note 5C - UL61058-1 - When mounted in accordance with the manufacturer's instruction, these switches have a protection degree of IP40.

^Note 5D - UL61058-1 - The switches provide with solder terminals that intended to connect prepared conductor of No.18 AWG stranded copper wire only.

^Note 5E - UL61058-1 - The switch is provided with Basic Insulation. The end use evaluation shall ensure all switch parts shall not be exposed to operator accessible.

^Note 7A - UL61058-1 - The terminals have been evaluated for use with 26 AWG Rigid stranded conductors.

^Note 7B - UL61058-1 - The Switch body is installed inside of end product and considered no accessible parts.

^Note 7C - UL61058-1 - Heating test was conducted at ambient temperature of 85 deg C with measured maximum temperature of 41.4 deg C on terminals, the suitability of wire conductors using on the switches terminals shall be determined in end-product applications.

^Note A1 - UL61058-1 - The switches provide with screwless terminal intended for factory installation only. The screwless terminal does not allow the wire to be removed once inserted.

^Note A2 - UL61058-1 - The switches shall be enclosed with a suitable enclosure, and the acceptability shall be determined in end-product applications.

^Note A3 - UL61058-1 - The switches are provided with solder type terminals that are suitable for soldering by hand with a soldering iron at 350 degree C. Also, the solder type terminals are suitable for soldering by solder bath at 235 degree C.

^Note A4 - UL61058-1 - When mounted in accordance with the manufacturer's instruction, these switches have a protection degree of IP40.

^Note A5 - UL61058-1 - The tests were conducted with wire size No. 18 AWG stranded copper wire only.

Marking: Company name, catalog, model or part number, electrical ratings and the Recognized Component Mark, on the product or on the smallest unit container in which the product is packaged.

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